

TRANSMITTAL LETTER			Case No. 7871/18
Serial No. 10/669,237	Filing Date September 23, 2003	Examiner Not Assigned	Group Art Unit Not Assigned
Inventor(s) David J. Collodi			
Title of Invention Method and Apparatus for Providing Shading in a Graphic Display System			

TO THE COMMISSIONER FOR PATENTS


Transmitted herewith is Information Disclosure Statement; PTO-1449; all listed references; acknowledgment post card.

- ☒ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Petition for a _____ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

					Small Entity		Other Than Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	Rate	Add'l Fee
Total		Minus			x \$9 =		x \$18 =	
Indep.		Minus			x 43 =		x \$86 =	
First Presentation of Multiple Dep. Claim					+ \$145 =		+ \$290 =	
					Total add'l fee	\$	Total add'l fee	\$

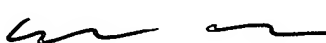
- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$ _____. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,


 William F. Prendergast
 Registration No. 34,699
 Attorney for Applicant
 Customer No. 00757 - Brinks Hofer Gilson Lione

BRINKS HOFER GILSON & LIONE
 P.O. BOX 10395
 CHICAGO, ILLINOIS 60610
 (312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to:
 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 11/20/03

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope, with sufficient postage, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

11/20/03

Date of Deposit

William F. Prendergast

Name of Applicant, Assignee or Registered Representative

[Signature]

Signature

11/20/03

Date of Signature

Our Case No.: 7871/18

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David J. Collodi

Serial No.: 10/669,237

Filing Date: September 23, 2003

For: Method and Apparatus for Providing
Shading in a Graphic Display
System

Examiner: Not Assigned

Group Art Unit No.: Not Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.



The references now cited are the following:

No.	Date	Name
5,253,339	10/1993	Wells et al.
5,561,746	10/1996	Murata et al.
5,638,499	06/1997	O'Connor et al.
5,659,671	08/1997	Tannenbaum et al.
5,673,374	09/1997	Sakaibara et al.
5,808,619	09/1998	Choi et al.
5,835,220	11/1998	Kazama et al.
5,936,613	08/1999	Jaeger et al.
5,949,424	09/1999	Cabral et al.
6,175,367	01/2001	Parikh et al.
6,226,006	05/2003	Collodi
6,234,901	05/2001	Nagoshi et al.
6,251,011	06/2001	Yamazaki
6,290,604	09/2001	Miyamoto et al.
6,342,885	01/2002	Knittel et al.
Other Publications		
PCT Search Report; Form PCT/1SA/220, Mailed July 02, 1999, pp. 1-4		
Printout of Evans & Sutherland E&S Harmony Image Generator home page at website http://www.es.com/image-generators/harmony.html , Apr. 6, 1999, 5 pages		
OTMPHONG.DOC, Mortensen, Zach; Mar. 30, 1995, reprinted from Internet		
Fast Phong Shading, Bishop and Weimer, 1986, pp. 103-105, reprinted from Internet		
Moller et al.; Real Time Rendering, A.K. Peters, Ltd., 1999		
Foley et al.; "Computer Graphics: Principles and Practice" pp. 736-744, 866-869, 1996		
Dana et al., "Reflectance and Textures of Real-World Surfaces," AMC Transactions on Graphics, vol. 18, No. 1, Jan. 1999, pp.1-34		
Ward, "Measuring and Modeling Anisotropic Reflection," <i>Computer Graphics</i> 26, July 2, 1992		
Becker et al., "Smooth Transitions between Bump Rendering Algorithms", undated		
Joe Stam, "Diffraction Shaders," Alias/wavefront, SIGGRAPH 1999		
Westin et al., "Predicting Reflectance Functions from Complex Surfaces," <i>Computer Graphics</i> , 26, July 2, 1992		

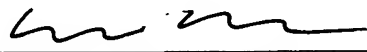
In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

In accordance with 37 C.F.R. § 1.97(e)(1), Applicant hereby certifies that each item of the information disclosed in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of the present statement, as evidenced by the date of the enclosed search report.

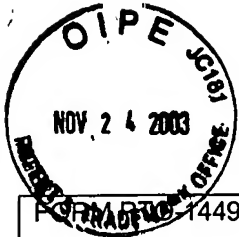
Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,



William F. Prendergast
Registration No. 34,699
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
P.O. Box 10395
Chicago, IL 60610
(312) 321-4200



FORM PTO-1449	SERIAL NO. 10/669,237	CASE NO. 7871/18
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 23, 2003	GROUP ART UNIT Not Assigned
(use several sheets if necessary)	APPLICANT(S): David J. Collodi	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	5,253,339	10/1993	Wells et al.		
	A2	5,561,746	10/1996	Murata et al.		
	A3	5,638,499	06/1997	O'Connor et al.		
	A4	5,659,671	08/1997	Tannenbaum et al.		
	A5	5,673,374	09/1997	Sakaibara et al.		
	A6	5,808,619	09/1998	Choi et al.		
	A7	5,835,220	11/1998	Kazama et al.		
	A8	5,936,613	08/1999	Jaeger et al.		
	A9	5,949,424	09/1999	Cabral et al.		
	A10	6,175,367	01/2001	Parikh et al.		
	A11	6,226,006	05/2003	Collodi		
	A12	6,234,901	05/2001	Nagoshi et al.		
	A13	6,251,011	06/2001	Yamazaki		
	A14	6,290,604	09/2001	Miyamoto et al.		
	A15	6,342,885	01/2002	Knittel et al.		

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)</small>	
	A16	PCT Search Report; Form PCT/1SA/220, Mailed July 02, 1999, pp. 1-4
	A17	Printout of Evans & Sutherland E&S Harmony Image Generator home page at website http://www.es.com/image-generators/harmony.html , Apr. 6, 1999, 5 pages
	A18	OTMPHONG.DOC, Mortensen, Zach; Mar. 30, 1995, reprinted from Internet
	A19	Fast Phong Shading, Bishop and Weimer, 1986, pp. 103-105, reprinted from Internet
	A20	Moller et al.; Real Time Rendering, A.K. Peters, Ltd., 1999
	A21	Foley et al.; "Computer Graphics: Principles and Practice" pp. 736-744, 866-869, 1996
	A22	Dana et al., "Reflectance and Textures of Real-World Surfaces," AMC Transactions on Graphics, vol. 18, No. 1, Jan. 1999, pp.1-34
	A23	Ward, "Measuring and Modeling Anisotropic Reflection," <i>Computer Graphics</i> 26, July 2, 1992
	A24	Becker et al., "Smooth Transitions between Bump Rendering Algorithms", undated
	A25	Joe Stam, "Diffraction Shaders," Alias/wavefront, SIGGRAPH 1999
	A26	Westin et al., "Predicting Reflectance Functions from Complex Surfaces," <i>Computer Graphics</i> , 26, July 2, 1992

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.